



## KOSTER PUR Gel

### NSF-approved polyurethane gel for area injections or sealing expansion joints

#### Features

KOSTER KB-Pur Gel is a solvent-free, water activated polyurethane gel that is NSF approved for use in drinking water environments. Depending on the amount of water added, a highly elastic, waterproof, foam hydro-gel is formed. The material is resistant to pressurized water after dilutions up to 1:10. KB-Pur Gel does not contain free isocyanates and is chemically stable after reacting. It does not contribute to corrosion and does not emit groundwater polluting substances.

#### Technical Data

Solubility	Mixable with water
Material viscosity	600 - 800 cps
Application viscosity	200 - 300 cps
Application temperature	> 32 °F
Elongation (ASTM D-3574)	> 80% (depending on mix ratio)
Tensile strength (ASTM D-3574)	> 200 psi (depending on mix ratio)
Working time	Approx 1-3 min

#### Fields of Application

KOSTER KB-Pur Gel is intended for external sealing of areas with ground contact, for area injection into highly porous, jointed, or cracked building materials, and for sealing cavities, pipe couplings, pipe penetrations, masonry joints, concrete, and soil.

#### Application

Installation of the material is carried out with a two-component pump, such as the KOSTER Gel Pump.

#### Curtain Injection:

Drill holes through the construction member to be sealed in a raster of max. 12 inches horizontally and vertically, every second row centrally offset. The diameter of the boreholes depends on the packers chosen. KOSTER Injection Lances or KOSTER Impact Packers 18 plus may be used as packers.

#### Area Injection:

Drill holes into the construction member to be sealed to a depth of 2/3 of the member's thickness in a raster of max. 12 inches horizontally and vertically, every second row centrally offset. The diameter of the boreholes depends on the packers chosen.

#### Expansion Joints:

Clean out and close existing joints using suitable means before injection. Along the crack, drill holes on alternating sides of the crack at a 45° angle to the surface at a max. distance of 19.5 inches from each other on each side. KOSTER Injection Lances or KOSTER Impact Packers 18 Plus may be used as packers.

#### Coverage

Dependent on application.

Area injections (at 1:13) - min. 0.4 lb KB-Pur Gel/sq ft

Curtain injections (at 1:10) - min. 0.6 lb KB-Pur Gel/sq ft

#### Cleaning

Clean tools immediately after use with KOSTER KB-Pur Cleaner.

#### Packaging

IN 285 002	0.6 gallon unit
IN 285 025	6 gallon unit
IN 285 210	50.43 gallon unit

#### Storage

In original sealed packages, it may be stored for 1 year.

#### Safety

Consult Safety Data Sheet. Wear protective gloves and goggles while handling and during installation. When carrying out injection work, protect the surrounding area from injection resin that may be discharged from the wall, packers, or boreholes. Do not stand directly behind packers during injection.

#### Limited Warranty

KOSTER warrants that its product shall be in accordance with the specifications published in the current revision of the products data sheet. KOSTER covenants that in the event any of its products fail to meet their published specifications, KOSTER shall replace those products proved to be defective. KOSTER shall not be responsible for any incidental or consequential damages due to the breach of its warranties. Notwithstanding the foregoing, KOSTER's sole liability hereunder shall not exceed the cost of the defective product originally purchased. EXCEPT AS SET FORTH ABOVE, KOSTER MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED AND MAKES NO WARRANTY AS TO THE MERCHANTABILITY OR FITNESS OF THE PRODUCT FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. The user must determine if the product is suited for the intended use and the user must bear the risks and liabilities associated with it.

#### Related products

KOSTER PUR Gel	Art.-Nr. IN 285
KOSTER Injection Gel G4	Art.-Nr. IN 290
KOSTER Injection Gel S4	Art.-Nr. IN 294
KOSTER KB-Pur Cleaner	Art.-Nr. IN 900 010
KOSTER Drive in aid for Impact Packer 18	Art.-Nr. IN 911 001

The information contained in this technical data sheet is based on the results of our research and on our practical experience in the field. All given test data are average values which have been obtained under defined conditions. The installer is responsible for the correct application taking into consideration the specific conditions of the construction site and the final results of the construction process. This may require adjustments to the recommendations given here for standard cases. Specifications made by our employees or representatives which deviate from the specifications contained in any Company literature may not be relied upon in the absence of written confirmation from the Company. The installer must comply with all testing, technical requirement, guidelines, and industry customs at all times. The terms, conditions, and limitations contained in the written warranty for the product controls over the specifications contained herein. This guideline has been technically revised; all previous versions are invalid.



## Waterproofing Systems

KOSTER Superpacker 10 mm x 85 mm CH	Art.-Nr. IN 912 001
KOSTER Superpacker 13 mm x 85 mm CH	Art.-Nr. IN 914 001
KOSTER Superpacker 13 mm x 115 mm	Art.-Nr. IN 915 001
KOSTER Injection Lance	Art.-Nr. IN 924 001
KOSTER Gel Pump	Art.-Nr. IN 928 001
KOSTER Water Hose for Gel Pump	Art.-Nr. IN 928 002
KOSTER Gel Hose for Gel Pump	Art.-Nr. IN 928 003
KOSTER Manometer for Gel Pump	Art.-Nr. IN 928 004
KOSTER Mix head for Gel Pump	Art.-Nr. IN 928 005
KOSTER Injection Whip for Gel Pump	Art.-Nr. IN 928 006
KOSTER Slide Coupling for pan-head fitting	Art.-Nr. IN 928 007
KOSTER Acrylic Gel Pump	Art.-Nr. IN 930 001

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